

On page 9, line 16, after "MKK2" please insert --(SEQ ID NO:4)--.

On page 9, line 18, after "MKK3" please insert --(SEQ ID NO:6)--.

On page 25, line 31, please delete "diseases" and insert therefor --disease--.

On page 26, line 14, please delete "(1993)" and insert therefor --(1993)--.

On page 28, line 29, after "specificity" please insert --for--.

On page 30, line 8, please delete "substrates" and insert therefor --substrate--.

On page 36, line 33, please delete "plasmic" and insert therefor --plasmid--.

On page 40, line 28, after "GQDADGSTSPRSQEP" please insert --which corresponds to residues 493-507 of amino acid sequence SEQ ID NO:2--.

On page 40, line 33, after "QQLLSSIEPLREKDKH" please insert --which is residues 660-675 of amino acid sequence SEQ ID NO:4--.

IN THE SEQUENCE LISTING

Please cancel the sequence listing at pages 48 through 83, and substitute therefore pages 48 to 70 of the sequence listing submitted herewith.

IN THE CLAIMS

Please renumber pages 84 through 88 as pages 71 through 75.

Please cancel Claims 1-13, 23-30, 38, 39, 46, 47, 53, and 34 without prejudice.

Please amend the claims as follows:

32. (Once Amended) An isolated protein comprising [containing] at least one of the following peptide domains contained within the amino acid sequence depicted in SEQ ID NO:2: an SH2 domain [a Src homology 2 peptide domain]; an SH3 domain [a Src homology 3 peptide domain]; and a catalytic domain [Tyrosine kinase peptide domain].

33. (Once Amended) An [The] isolated protein [of Claim 32] comprising [containing] at least one of the following amino acid [sequence] sequences depicted in SEQ ID NO:2 [selected from the group consisting of]: amino acid residues 122 to 196; amino acid residues 48 to 111; and amino acid residues 233 to 478[, as depicted in SEQ ID NO:2].

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34. (Once Amended) An isolated protein [containing] comprising the amino acid residues [49] 48 to 111 depicted in SEQ ID NO:2.

35. (Once Amended) A fusion protein comprising the [The] isolated protein of [Claims] Claim 31, 32, or 34[, wherein the protein is] fused to [a heterologous peptide] an amino acid sequence not naturally associated with the isolated protein of Claim 31, 32, or 34.

36. (Once Amended) The [isolated] fusion protein of Claim 35, wherein the [heterologous peptide] non-naturally associated amino acid sequence is a glutathione-S-transferase.

37. (Once Amended) An isolated protein comprising [containing the] amino acid [sequence: Gly Gln Asp Ala Asp Gly Ser Thr Ser Pro Arg Ser Gln Glu Pro] residues 493-507 of amino acid sequence SEQ ID NO:2.

2 42. (Once Amended) An isolated protein comprising [containing] at least one of the following peptide domains contained within the amino acid sequence depicted in SEQ ID NO:4: a Pleckstrin homology peptide domain; an SH2 domain [a Src homology 2 peptide domain]; an SH3 domain [a Src homology 3 peptide domain]; and a catalytic domain [Tyrosine kinase peptide domain].

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3 43. (Once Amended) An [The] isolated protein [of Claim 42 containing] comprising at least one of the following amino acid [sequence] sequences depicted in SEQ ID NO:4 [selected from the group consisting of]: amino acid residues 25 to 169; amino acid residues 296 to 375; amino acid residues 192-234; and amino acid residues 424 to 659[, as depicted in SEQ ID NO:4].

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44. (Once Amended) A fusion protein comprising the [The] isolated protein of [Claims] Claim 41, or 42[, wherein the protein is] fused to [a heterologous peptide] an amino acid sequence not naturally associated with the isolated protein of Claim 41, or 42.